GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4816
ANSWERED ON:15.12.2016
Impact of Solar Energy on Power Scenario
Chandrappa Shri B.N.

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the Union Government has made any assessment of the impact of the production of solar energy on the power scenario of the country in recent years;
(b) if so, the details thereof;
(c) whether the solar energy revolution has made possible a sharp drop in the cost of production of electricity through solar cells;
(d) if so, the details thereof;
(e) whether the Government has taken any steps to interact with sunlight-rich countries to operationalise the International Solar Alliance at the earliest; and
(f) if so, the details thereof ?

Answer

THE MINISTER OF STATE FOR POWER, COAL, NEW AND RENEWABLE ENERGY & MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a)&(b): As per Central Electricity Authority (CEA) reports, the total installed power generation capacity through all sources is about 308 GW. Out of this, installed solar power capacity is 8875 MW, which is about 2.89% of the total power generation capacity of the country. Solar energy has helped in energy security of the country.
(c)&(d): The recent bids for Solar PV Power Plants have been received for a quote of as low as Rs. 4.34 per unit for Bhadla Solar Park in Rajasthan.
(e)&(f): The Framework Agreement of the International Solar Alliance (ISA) was opened for signature on 15 November 2016 in Marrakech, Morocco, on the side-lines of the 22nd meeting of the Conference of Parties (COP-22) to the United Nations Framework Convention on Climate Change (UNFCCC). So far, 24 countries have signed the Agreement. These are Bangladesh, Brazil, Burkina Faso, Cambodia, Democratic Republic of Congo, Dominican Republic, Ethiopia, Fiji, France, Republic of Guinea, Guinea Bissau, India, Liberia, Madagascar, Mali, Nauru, Niger, Senegal, Seychelles, Sudan, Tanzania, Tuvalu, Vanuatu and Tonga. The Framework Agreement of the ISA is open for signature for the remaining 97 prospective member countries of the ISA. With ratification, acceptance or approval of the Framework Agreement of the ISA by 15 countries, the ISA will be a major international body, with its Headquarters in India
****